

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

Inventor: Joseph

Docket No.: TI-33028

Serial No.: 09/532,510

Group Art Unit: 2171

Filing Date: March 21, 2000

Examiner: Le, U.T.

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Title: STORAGE EFFICIENT MINIMIZATION LOGIC

Amendment Under 37 C. F. R. 111

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

## CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following papers  
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U.S. Patent and Trademark Office at 703-  
746-7239 on the date shown below:*Jackie McBride*  
Jackie McBride*11-12-03*  
Date

Sir:

Responsive to the Examiner's Action of September 3, 2003,  
please amend this application as follows:

In the Claims:

Please amend the claims 16 as follows:

- 1 16. (Twice Amended) In an array of N data values, a method of  
2 determining an address for a result, the result being the output  
3 of a binary operation defined in the array of data values each  
4 data value having W bits, the method comprising the steps of:  
5 (a) performing, at each computation stage i of  $\log_2 N$ ,  
6 computation stages,  $N/2^i$  binary operations on the data values of  
7  $N/2^i$  pairs of input values using a binary operator, wherein each  
8 input value includes a data value and a partial address, wherein  
9 each of the binary operations generates a binary decision  
10 representative of a selected data value and the partial address  
11 of the selected data value;

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In re the Application of  
Joseph

Docket Number: TI-33028

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For: STORAGE EFICIENT MINIMIZATION LOGIC

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## FACSIMILE COVER SHEET

<input checked="" type="checkbox"/> <b>FACSIMILE COVER SHEET</b>	<input checked="" type="checkbox"/> <b>AMENDMENT</b> <u>111</u>
<input type="checkbox"/> NEW APPLICATION	<input type="checkbox"/> EOT
<input type="checkbox"/> DECLARATION (# Pages)	<input type="checkbox"/> NOTICE OF APPEAL (1 Page)
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<input type="checkbox"/> CONTINUATION APP'N (# Pages)	<input type="checkbox"/> ELECTION (1 page)
<input type="checkbox"/> DIVISIONAL APP'N	
<b>NAME OF INVENTOR(S):</b> <b>Joseph</b>	
<b>RECEIPT DATE &amp; SERIAL NO.:</b> <b>Serial No.: 09/532,510</b>	
<b>TITLE OF INVENTION:</b> <b>Storage Efficient Minimization Logic</b>	
<b>Filing Date: 03/21/2000</b>	
<b>TI FILE NO.:</b> <b>TI-33028</b>	<b>DEPOSIT ACCT. NO.:</b> <b>20-0668</b>
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<b>DUE: 12/03/2003</b>	
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